**Physical Science States of Matter (Chapter 8 Outline)**

*Vocabulary*: Define in your own words

Surface tension-

Gas-

Vapor-

Vaporization-

Evaporation-

Condensation-

Sublimation-

Deposition-

Pressure-

**Respond to the following questions/prompts:**

How do particles move in solids, liquids, and gases? Explain in terms of kinetic energy as well. (6 pts)

How are the forces between particles in solids, liquids, and gases different? (3 pts)

How does kinetic molecular theory describe the behavior of a gas? Explain. (2 pts)

How are temperature, pressure, and volume related in Boyle's Law? Explain. (3 pts)

How is Boyle's law different from Charle's Law? Explain. (2 pts)

***ABOUT THE READING:***

Write three things that you learned about the State of Matter*:*

***Make sure to write a full sentence.***

*Example: I learned that temperature is a measure of an object's kinetic energy.*

*1.*

*2.*

*3.*

**ASSIGNED WORK:**

*Most of the world's freshwater is "locked" up in glaciers and polar ice-caps. Right now, these icy freshwater resources are rapidly growing smaller. What processes are at work here (evaporation, sublimation, etc)? Is there any way to reverse this process? What is the significance of the melting ice on a global scale?*

*Research ice caps and glaciers and provide a one paragraph summary of your research and your opinion on how the world should address the shrinking ice glaciers and ice caps.*

*Paragraph is worth 12 pts. 4 pts each for introductory, supporting, and concluding sentences. Make sure to cite at least one resource from your research. Remember, to summarize* ***in your own words.***